

dsRNA Expression Cassett I: Hairpin RNA

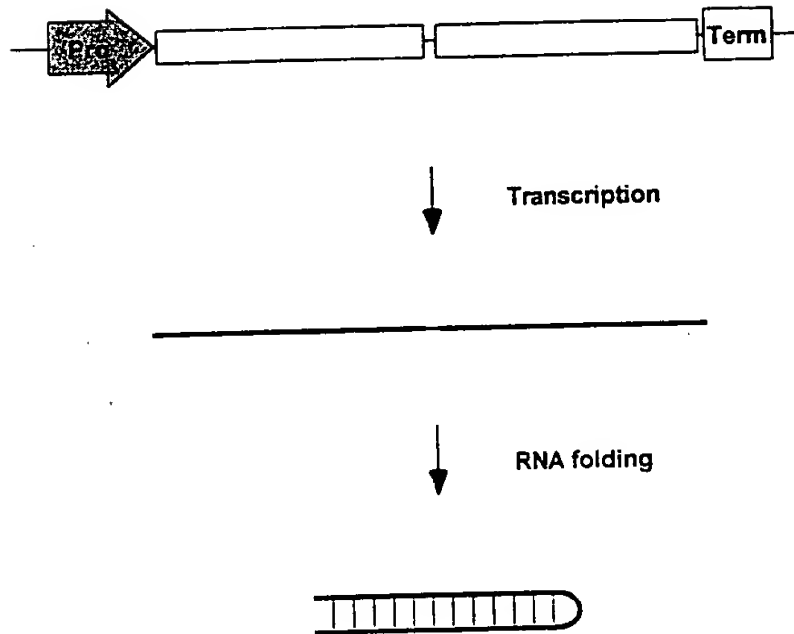


Figure 1

dsRNA Expression Cassette II: "True" dsRNA

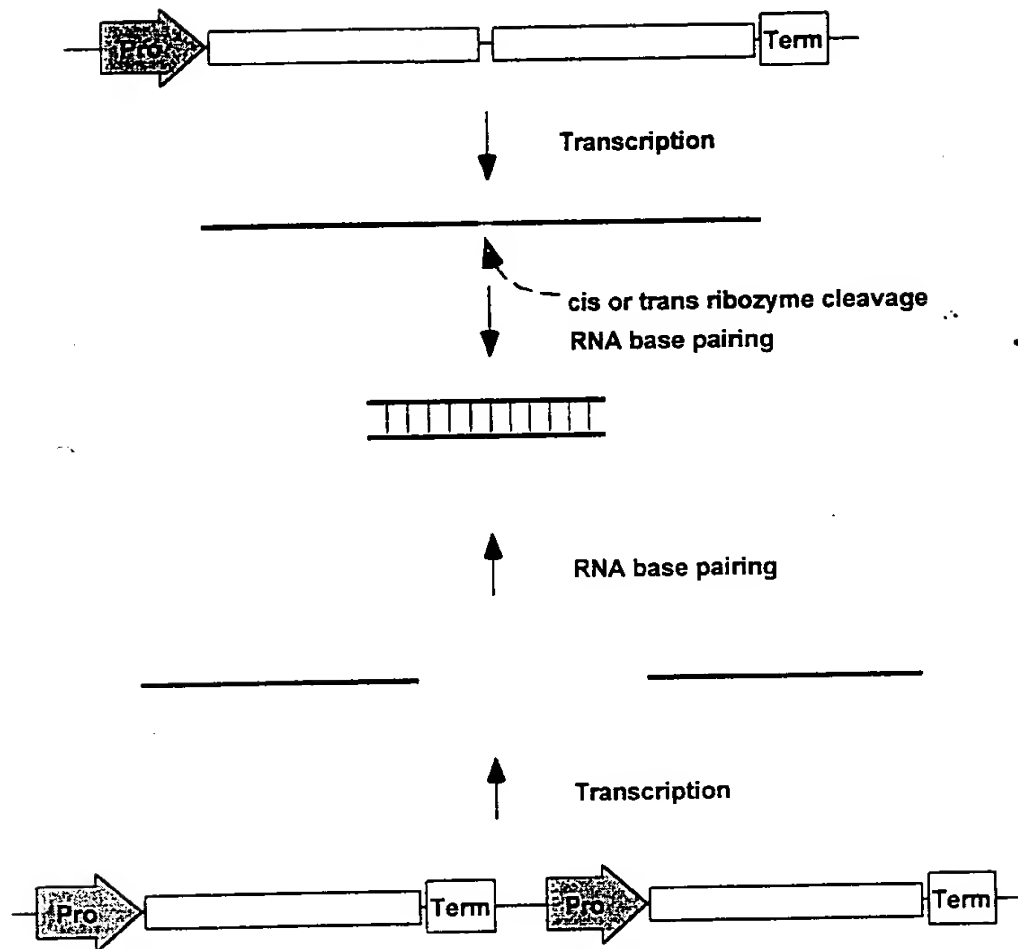


Figure 2

dsRNA Expression Cassette III: Circular RNA

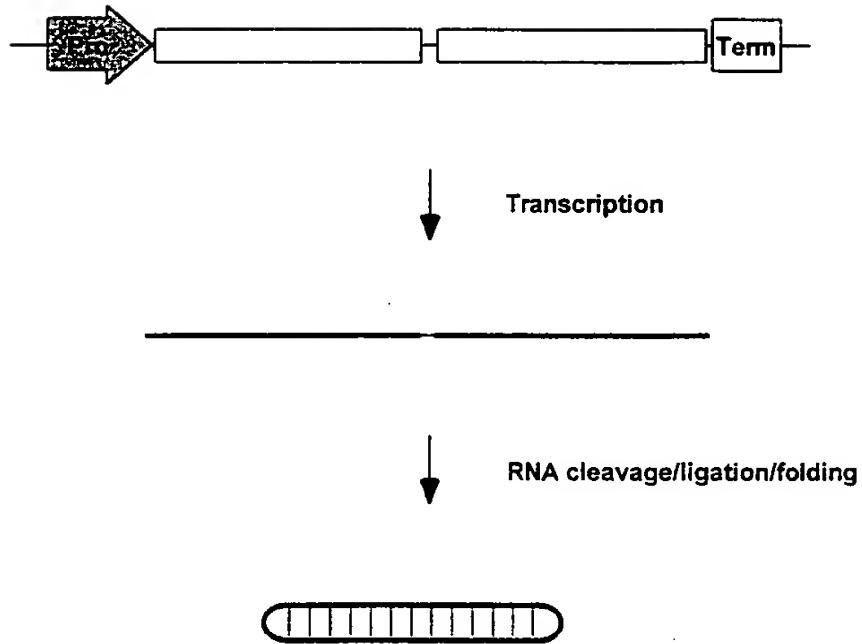


Figure 3

Plasmid vector with dsRNA and antigen cassettes

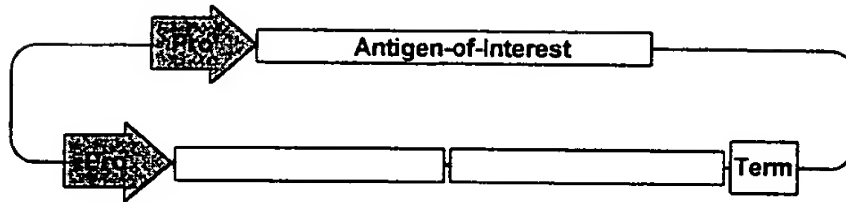
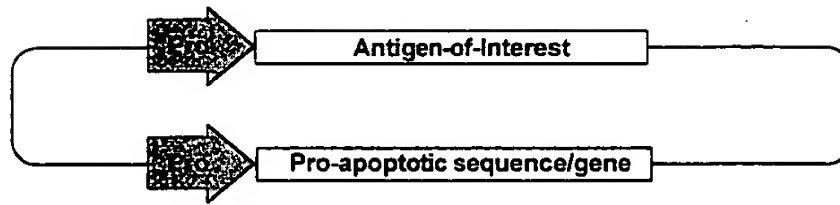


Figure 4

Pro-apptotic v ctors with antig n cass ttes



OR

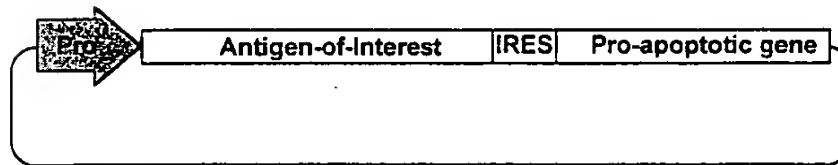


Figure 5

IL10

1 ...CTT ...GAA ...GAGTC ...GTTTC ...GTC ...
 73 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 146 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 220 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...

COX2

1 ...CTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 74 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 149 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 225 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...

YY1

1 ...CTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 78 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 153 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 228 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 305 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...

IRF2

1 ...CTT ...GAA ...GAGTC ...GAGTC ...GAGTC ...
 72 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 146 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 219 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 289 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...
 362 ...GTC ...GAGTC ...GAGTC ...GAGTC ...GAGTC ...

Figure 6

LEGEND

- ▶ :starting methionine
- ◀ — ▶ :complementary sequence for the hammerhead ribozyme
- ◀ — — ▶ :complementary sequence for the hairpin ribozyme
- Boxed sequences:target sequence for the chosen ribozyme
- Bold characters: target sequences for hammerhead ribozymes
- Bold and underlined characters: target sequences for both hammerhead and hairpin ribozymes